

# SYSTEM, DEVICE AND METHOD FOR EXCITING A SENSOR AND DETECTING ANALYTE

## ABSTRACT

A system for detecting analyte that includes a sensor adapted to detect the analyte,  
5 the sensor including a polymer matrix, fluorophores and a membrane, an excitation source  
to excite a fluorophore of the sensor, a first detector adapted to detect light of a first  
wavelength emitted by the sensor, a second detector adapted to detect light of a second  
wavelength emitted by the sensor, and a processor for processing signals corresponding to  
light detected by the detectors.

10